

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
23 December 2004 (23.12.2004)

PCT

(10) International Publication Number
WO 2004/110218 A1

(51) International Patent Classification⁷: A47C 7/14

(21) International Application Number: PCT/KR2004/001404

(22) International Filing Date: 11 June 2004 (11.06.2004)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data: 10-2003-0038059 12 June 2003 (12.06.2003) KR

(71) Applicant and

(72) Inventor: KIM, Sun Whan [KR/KR]; 23-1 Burim-dong, Kwacheon-si, Kyoungki-do 427-050 (KR).

(74) Agent: LEE, Jae Hwa; 4th Floor, Duck chun B/D, 718-10 Yoksam 1-dong, Kangnam-ku, Seoul 135-081 (KR).

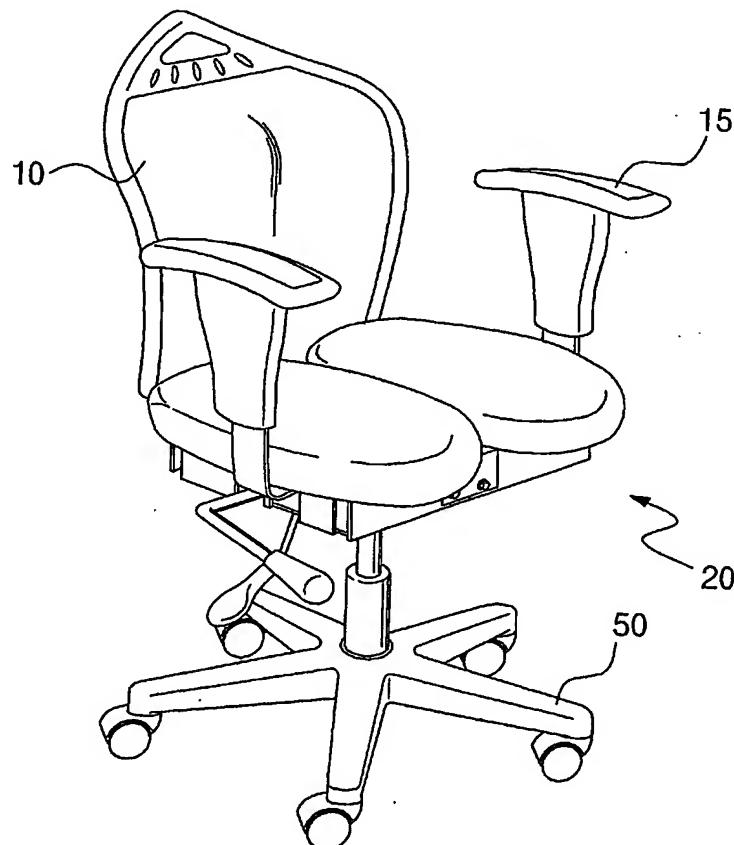
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: SEAT APPARATUS HAVING VARIABLE GAP



(57) Abstract: A seat apparatus having a pair of separate seats which can adjust a gap between the seats according to user's body shape. The seat apparatus includes two seats that can move in the opposite directions, two moving plates attached under the seats that enables the movement of the seats, a base supporting the moving plates for the movement in the opposite directions, a shaft attached on the upper side of the base, a cylindrical gap controller having a pair of guidance grooves that have one end narrow and the other end wide, a driving device to rotate the shaft, two connectors having the one ends assembled on the guidance grooves and the other ends fixed on the moving plates at the corresponding positions to the guidance grooves, and a guiding device to direct the moving plates to move on the base in the axial direction.



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.